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PATENT ABSTRACTS OF JAPAN

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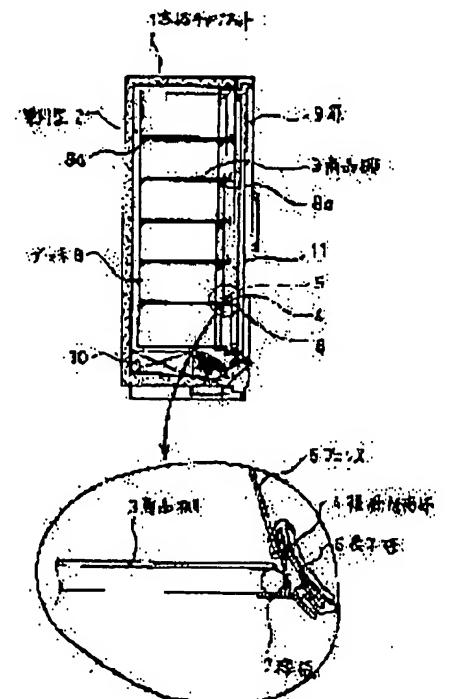
(21) Application number : 06-185702 (71) Applicant : FUJI ELECTRIC CO LTD
 (22) Date of filing : 08.08.1994 (72) Inventor : SUGIMOTO DAISUKE

(54) COMMODITY SHELF FOR SHOW CASE

(57) Abstract:

PURPOSE: To facilitate the storage/maintenance of the fence by a method wherein a fence to prevent a commodity from dropping is fitted to a tag holder for a commodity shelf at the front end of the commodity shelf, and at the same time, the height of the fence is made changeable.

CONSTITUTION: A show case is equipped with a main body cabinet 1 wherein a display chamber 2 is provided inside, and a plurality of commodity shelves 3 which vertically divide the display chamber 2. For such a show case, a composite holding body 4, wherein a gripping unit to hold a fence 5 made of a plate and a plate 6 to display the content of a commodity is provided, is constituted in such a manner that the composite holding body 4 is fitted on a plate which protrudes from one end on the front surface side of the commodity shelf 3. Also, the composite holder 4 is constituted in such a manner that a gripping part for the display plate 6 is provided on the recessed surface of a curved plate, and U-shaped grooves with different depths, to grip the fence 5, are provided on the top and bottom of the protruding surface side of the curved plate.



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CLAIMS

[Claim(s)]

[Claim 1] In a showcase which comes to hold the plotting board which printed the contents of a fence which i comes to project upward which is equipped with the following and prevents fall of goods at the front-face side end of said shelf space, and goods, respectively A shelf space of a showcase characterized by pinching and constituting a compound supporter which comes to prepare the pinching section which holds a fence which consists of a board, and the plotting board which printed the contents of goods to a board in a location differer respectively to a board projected from a front-face side end of said shelf space. A main part cabinet which equipped the interior with a showroom Two or more shelf spaces which divided said showroom up and down [Claim 2] A shelf space of a showcase with which said compound supporter consists of a board of a letter of a curve which has length-like a concave surface and a convex right and left, a lobe prepared in a vertical edge o said concave surfacc, and a U-shaped gutter which projected an end of a vertical edge of said convex from a convex, and was established in an edge, and is characterized by things in a shelf space according to claim 1. [Claim 3] A shelf space of a showcase with which said compound supporter is characterized by consisting of I shaped gutters where a channel depth from a vertical edge of a convex which projected, respectively and established a vertical edge of said convex in an edge from a convex differs from a board of a letter of a curve which has length-like a concave surface and a convex right and left, and a lobe prepared in a vertical edge of said concave surface in a shelf space according to claim 1.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]**[0001]**

[Industrial Application] This invention relates to the shelf space which comes to hold the contents plotting boards (a trade name, price, etc.) of goods to the shelf space which divides the showroom of a showcase and displays variety goods.

[0002]

[Description of the Prior Art] The main part cabinet 1 which equipped the interior with the showroom 2 in the conventional showcase as shown in drawing 3 , While having two or more shelf spaces 3 which divided the showroom 2 up and down, and the door 9 which was located ahead of this shelf space 3, and covered the front face of a showroom 2 **** the holder 12 of the marginal plate 7 which projects up at the front-face side end o a shelf space 3, and the plotting board 6 which was located ahead of the marginal plate 7, and printed the contents of goods, and it fixes by 13. And the transparent fence 5 which consists of a board of the AKURI resi for preventing that goods fall from a shelf space 3 to the front between the holders 12 of the projecting margin plate 7 and the plotting board 6 is pinched.

[0003]

[Problem(s) to be Solved by the Invention] However, if it is in a showcase, the goods displayed by the shelf space are variously various from a small thing to a large thing. And it is required for the displayed goods to be in the condition that it can fully watch from a front face. The above mentioned fence looks at goods from a fro face upwards to small goods, and serves as a failure. Then, it is necessary to change the height of the fence which projects to some extent according to the magnitude of goods more nearly up than a shelf space.

[0004] In the conventional showcase, generally the magnitude of goods is classified two times and it is exchanging with each time according to the goods displayed while preparing continuously two kinds of fences from which height differs. However, in the present age which goods variety-ize, it is it is troublesome that two kinds of fences from which height differs must be prepared and managed, and useless.

[0005] then -- while this invention holds the plotting board strongly so that it is not necessary to prepare the fence from which height differs -- a fence -- maintenance height adjustment -- possible -- supporting -- further a shelf space -- wearing -- it aims at offering an easy shelf space.

[0006]

[Means for Solving the Problem] A main part cabinet which equipped the interior with a showroom in order to attain the above-mentioned purpose, In a showcase which comes to hold the plotting board which printed the contents of a fence which it comes to project upward which is equipped with two or more shelf spaces which divided said showroom up and down, and prevents fall of goods at the front-face side end of said shelf space, and goods, respectively A compound supporter which comes to prepare the pinching section which holds a fence which consists of a board, and the plotting board which printed the contents of goods to a board in a location different, respectively should be pinched to a board projected from a front-face side end of said shelf space.

[0007] Moreover, it constitutes from a board of a letter of a curve which has length-like a concave surface and convex for said compound supporter right and left, a lobe prepared in a vertical edge of said concave surface, and a U-shaped gutter which projected an end of a vertical edge of said convex from a convex, and was

established in an edge. Furthermore, it is effective if constituted from a U-shaped gutter where a channel dept from a vertical edge of a convex which projected, respectively and established a vertical edge of said convex ; an edge from a convex differs from a board of a letter of a curve which has said compound supporter right and left, and has a concave surface and a convex in the shape of length, and a lobe prepared in a vertical edge of said concave surface.

[0008]

[Function] By constituting from a lobe which prepared the compound supporter in the board of the letter of a curve which has length-like a concave surface and a convex right and left, and the vertical edge of said concave surface in the shelf space constituted as mentioned above, and a U-shaped gutter which projected the end of the vertical edge of said convex from the convex, and was established in the edge, the plotting board is pinched on a concave surface at ** better ***** , and it works so that the plotting board may be firmly held with the strength generated in the plotting board. Moreover, the U-shaped gutter by the side of a convex holds a fence, and the crevice made between a U-shaped gutter and a convex is committed as the pinching section when equipping a shelf space with a compound supporter.

[0009] By furthermore establishing the U-shaped gutter where the channel depths from a convex vertical edge differ in a convex vertical edge, by reversing the upper and lower sides of the compound supporter with which shelf space is equipped, even if it is the same fence, it works so that the location where a fence is held may be changed and the height of a substantial fence may be changed into two steps. Moreover, attachment and detachment are made easy by making each attaching part of a fence, the plotting board, and a compound supporter into the method by pinching.

[0010]

[Example] If it refers to the example of this invention and a drawing is explained, in each of drawing 3 which shows drawing 1 and drawing 2 which show an example, and the conventional example, the same sign is given to the equivalent section. In drawing 1, the main part cabinet 1 becomes as an adiathermic case which opened the front face wide, equips the interior with a showroom 2 and a cooling system 10, and is covered by the door 9 made from glass which can open and close a front face right and left. A showroom 2 is equipped with the deck 8 of the cube type which consists of a board with many ventilating holes, and the inside of a showroom 2 is divided in the vertical direction by two or more shelf spaces 3 carried on lobe 8a of this deck 8. A shelf space 3 equips with the marginal plate 7 which consists of a board which much still thinner round bar was arranged in the frame formed in the quadrangle with the round bar, and joining was carried out to the end by the side of the front face at the round bar, and was projected in the upper part, and is constituted. Furthermore, it is located in the front face of the marginal plate 7 of this shelf space 3, a marginal plate 7 is equipped with the compound supporter 4 holding the plotting board 6 which displayed the name of the fence 5 which prevents fall of the goods displayed by the shelf space, and the displayed goods, the price, etc., and shelf space tag equipment is constituted. Next, the details of the shelf space tag equipment constituted by making this compound supporter into a subject are explained.

[0011] Itabe 4a of the shape of a curve cross section by which the compound supporter 4 formed length-like a concave surface and a convex in right and left, respectively as shown in drawing 2 , At the tip which projected only lobe 4b which faced ahead [inside] mutually, and the vertical edge by the side of a convex from the convex, U-shaped gutters (it does not matter as a KO character-like slot) 4c and 4d where the channel depths from the vertical edge of the convex which carried out outwardness mutually differ are formed, and it is constituted by the vertical edge by the side of the concave surface. In addition, it is formed in each location of the upper and lower sides of slot 4e between the convex of curve Itabe 4a, and U-shaped gutters 4c and 4d at the compound supporter 4. Moreover, breadth of the compound supporter 4 is made almost equivalent to the breadth of a shelf space 3, and the frontage width of face of the so-called showcase.

[0012] In this way, the constituted compound supporter 4 inserts the slot 4e section in the portion into which the marginal plate 7 formed ahead of the shelf space 3 projects like the portion expanded and shown in drawing 1 and is pinched. And while pinching the tabular fence 5 set to 4d from U-shaped-gutter4c made into the upper part, or transparent acrylic resin, the plotting board 6 which a board comes to print is pinched by lobe 4b of a vertical edge by ** better ***** , and shelf space tag equipment is constituted at a concave surface side. Furthermore, the upper and lower sides are reversed, and the compound supporter 4 can be pinched by the

marginal plate 7, and can pinch a fence 5 and the plotting board 6 like the above also in this case. Since U-shaped-gutter 4c and 4d of U-shaped gutters change the depth of flute and they are constituted, the compound supporter 4 which had the upper and lower sides reversed changes an up-and-down location, can pinch a fence to a U-shaped gutter, and can change the effective height of a fence 5.

[0013] If shelf space tag equipment is constituted as mentioned above, the need of preparing two kinds of fences 5 from which it becomes possible up to about 1.5 times when the rate of the portion which projects from a compound supporter shows the variation of the activation height of a fence 5 by carrying out vertical reversal of the compound supporter 4, therefore height differs like before will be lost. Moreover, since the compound supporter 4 consists of pinching in all attaching parts, all wearing actuation accompanying the vertical reversal is very easy for it.

[0014] Then, only taking advantage of the ease of wearing actuation, the compound supporter 4 may be made the configuration which set the U-shaped gutter to any one [4c and / 4]. In this case, it is effective when changing arrangement for the goods displayed by the showcase per shelf space. In addition, although explained using the reach in showcase in this example, it is applicable to showcases with a shelf, such as an opening showcase.

[0015]

[Effect of the Invention] Since this invention is constituted as explanation was given [above-mentioned], it does so the effect indicated below. Since it becomes removable where a fence and the plotting board are made into one by pinching and constituting the compound supporter which comes to prepare the pinching section which supports the fence which consists of a board, and the plotting board which printed the contents of goods to the board in a location different, respectively to the board which projected from the front-face side end of a shelf space, when changing arrangement per shelf space for the goods displayed by the shelf space, a fence and the plotting board can move easily with goods.

[0016] Furthermore, the board of the letter of a curve which has length-like a concave surface and a convex face a compound supporter right and left, By constituting in the U-shaped gutter where the channel depths from the convex vertical edge established in the lobe prepared in the vertical edge of said concave surface and the edge which projected the convex vertical edge from the convex, respectively differ Although two kinds of fences from which height differs were needed since it became possible to carry out adjustable [of the height of the fence which projects from a compound supporter by reversing the upper and lower sides of a posture which equip a shelf space with a compound supporter] about 1.5 times and corresponded to the magnitude of goods conventionally It can execute by proxy on one kind of fence. As a result, the time and effort on storage management of a fence is also reducible.

[0017] And further, since the compound supporter is constituted considering all attaching parts as pinching, from an easy thing, vertical reversal of a wearing posture can be made into the height of the always optimal fence, and can improve the display nature of goods.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] The drawing of longitudinal section of the showcase in which an example is shown

[Drawing 2] The cross section of the compound supporter of drawing 1

[Drawing 3] The drawing of longitudinal section of the conventional showcase

[Description of Notations]

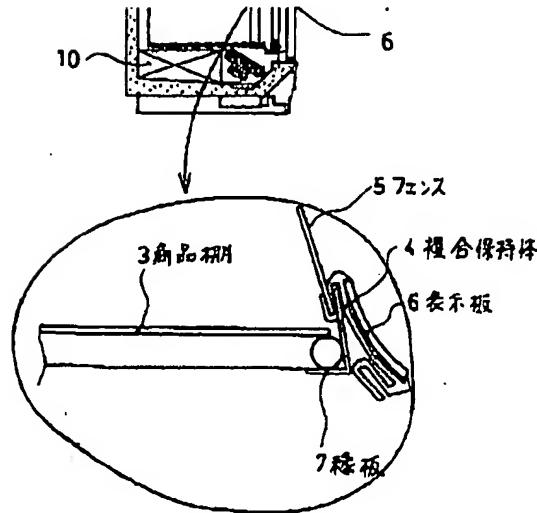
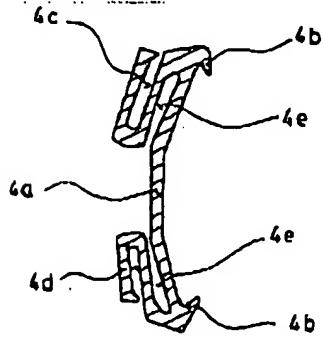
- 1 Main Part Cabinet
- 2 Showroom
- 3 Shelf Space
- 4 Compound Supporter
- 5 Fence
- 6 Plotting Board
- 7 Marginal Plate
- 8 Deck
- 9 Door
- 10 Cooling System
- 11 Lighting LGT
- 12 Holder
- 13 Screw Thread

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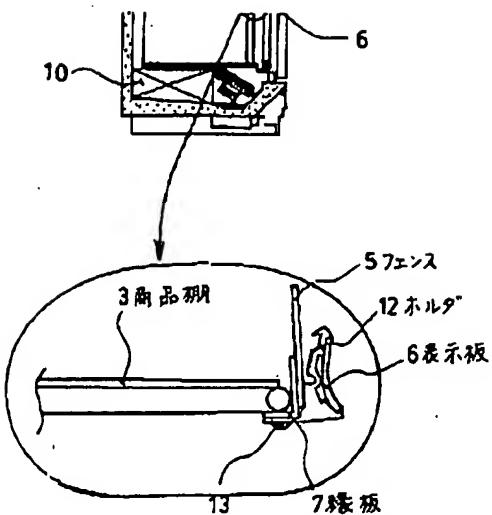
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DRAWINGS**[Drawing 1]****[Drawing 2]**

[Drawing 3]



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